

AVIATION

The Oldest American Aeronautical Magazine

OCTOBER 18, 1926

Issued Weekly

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Sergt. P. G. Smith of Wilbur Wright Field parachuting at Norton Field, Columbus, O.

Rutherford/Weaver Photo

VOLUME
XXI

SPECIAL FEATURES

NUMBER
16

NOTES ON THE PARACHUTE
TESTING AIRCRAFT ON THE SPEED TRIANGLE
THE WATERHOUSE CRUZAIR MONOPLANE

GARDNER PUBLISHING CO., INC.

HIGHLAND, N. Y.

225 FOURTH AVENUE, NEW YORK

Entered as Second-Class Matter, Nov. 22, 1920, at the Post Office, at Highland, N. Y.
Under Act of March 3, 1879.

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Winner of the Reliability Tour
Mr. Walter Beach (left) standing beside his Ford Airplane

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MR. ERNST REINHOLD, pilot of a Stinson biplane—the third prize winner

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OCTOBER 18, 1926

AVIATION

Published every Monday

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AT THE NATIONAL AIR RACES

The Boeing FB-3 piloted by Lt. G. T. Cudhury

Won the Free-for-All Pursuit Ship Race

Powered with a PACKARD Engine

equipped with

SCINTILLA

The Wright Apache piloted by Lt. C. C. Chapman was powered with a PRATT and WHITNEY "WASP" equipped with

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AIRCRAFT MAGNETOS

SCINTILLA MAGNETO COMPANY, INC.

SIDNEY, N. Y.

WRIGHT WHIRLWIND ENGINES WON FIRST—SECOND—THIRD

In the Second Annual Airplane Reliability Tour

August 7th - 21st

Covering 2560 miles over ten States, starting and finishing at Detroit, Mich.

First—"Trotter Air," 4-seater, built by Travel Air Mfg. Co., Wichita, Kansas, carrying 600 lbs. constant load, average speed 124.5 m.p.h. Powered with one **Wright Whirlwind** engine.
Second—"Aurora," built by Bell-Verville Aircraft Company, Detroit, Mich., carrying 820 lbs. constant load, average speed 113.5 m.p.h. Powered with one **Wright Whirlwind** engine.
Third—"Destroyer," built by Stinson Aircraft Corp., Northville, Mich., carrying 500 lbs. constant load, average speed 108.7 m.p.h. Powered with one **Wright Whirlwind** engine.
Fourth—"Trotter" built by Ryan Airlines, Inc., San Diego, Calif., carrying 500 lbs. constant load, average speed 111.8 m.p.h. Powered with one **Wright Whirlwind** engine.
Fifth—"Trotter" built by the Aeroplane Division, Ford Motor Company, Dearborn, Mich. Powered with three **Wright Whirlwind** engines.

National Air Races—Philadelphia, Pa.

September 4th - 11th

Wright Whirlwind engine won twelve of the eighteen prizes they campaigned for.

Air Transport Race—First Speed and Efficiency, "Wright-Bellanca" 1, powered with one **Wright Whirlwind** engine, carrying 1627 lbs. constant load, average speed 121.53 m.p.h. Second in Speed and Third in Efficiency, "Bellanca" 1, built by Bell-Verville Aircraft Company, carrying 1620 lbs. constant load, average speed 119.67 m.p.h. Tied in Speed, Second in Aerobatics, powered with three **Wright Whirlwind** engines, carrying 1866 lbs. constant load, speed 119.15 m.p.h.

Light Commercial Airplane Race—Trophy won by "Wright-Bellanca" 1, powered with one **Wright Whirlwind** engine, carrying 1146 lbs. constant load, speed 111.16 m.p.h. Third in Speed and Efficiency, "Trotter Air," powered with one **Wright Whirlwind** engine, carrying 666 lbs. constant load, speed 112.12 m.p.h.

Denver Mile High Air Meet

August 1st - 3rd

First place in Speed Race for over 100 H.P. planes won by Ryan M-1 powered with one **Wright Whirlwind** engine.

First place in 5000 ft. altitude climb for over 100 H.P. planes won by Ryan M-1, powered with one **Wright Whirlwind** engine.

First place—Butt General Ship at Meet—won by Ryan M-1, powered with one **Wright Whirlwind** engine.

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AVIATION

VOL. XXI

OCTOBER 18, 1926

No. 16

The Pan-American Flight

THIS OFFICIAL announcement that arrangements are being completed for the proposed Pan-American flight of the Army Air Corps and that the Rio Loring Aeroplane planes which are to make the flight will leave San Antonio on or about Dec. 15, is most satisfactory. If all goes well, as it is doing well, the flight will prove one of the most beautiful undertakings ever carried out by the Air Corps or the former Air Service.

South America offers a wide and profitable field for the development of commercial aviation and it is also not unlikely that certain of the South American republics may represent a potential market for service type aeroplanes and engines. The European aircraft industry, notably that of Germany, have made a strong bid for the monopoly of South American aviation and while American aircraft have been sold in small quantities, there remains a wide field for properly organized manufacture in that country. This would probably be the most important aspect of the coming Pan-American flight.

The choice of the Loring Aeroplane for the flight is particularly favorable for this is a type of plane which has been developed here more than anywhere else in the World and it will, therefore, prove a particular attraction in the Latin American. Furthermore, the engine, inverted Liberties, while not by any means up to date, certainly have a Worldwide reputation of dependability.

From the service standpoint only, the Pan-American flight need undoubtedly provide valuable experience for the officers, under Major H. A. Dugay, who are participating. The flight of 18,500 miles will certainly test to the extreme the adaptability to the War Department's Rush activities for the Air Corps in peace time may well be considered to offer one of the best means of keeping up the efficiency of a service which is of such vital importance to the defense of the Nation in time of war.

A Plea for More Aeronautical Education

WE see there is much need regarding a possible shortage of pilots when the number of available men who learned to fly during the War becomes low. Frequently places are put up for the measurement of men to take up flying in order that qualified and experienced pilots will be available when the demand comes. Little, however, is said of the possibility of a shortage of mechanics, well, possibly, of airplane designers, etc. Certainly the flying schools need every encouragement, but there will be a great demand for other classes of workers in civil aeronautics and the need of training centers for providing instruction in these various fields is becoming more and more important.

There are already several universities and technical

institutions throughout the country which provide first class aeronautical training. Only recently, Weeks to the generosity and foresight of the Guggenheim Fund, two California institutions have been endowed to enable aeronautical education to be provided. Much, however, can be done by individual colleges and universities on a smaller scale which would be of very vital importance and in this class of the many other engineering fields should be studied in colleges prior to graduate studies. In any case, the need of what would seem to be a specialized engineering school, with great advantage, be included in a more or less elementary manner, in the curriculum of many colleges.

In this respect, it would seem that the aeronautics associations and N. A. A. chapters throughout the country could do a great deal of good by putting up such a scheme to the educational authorities in their respective districts. At present it would seem that it is other anomaly for a young man to join the Air Corps Reserve and travel extensively miles away to a training school in order to take a regular three or four year course at one of the few universities which at present provide complete aeronautical education.

Air Surveying as an Industry

THREE is an ever increasing demand for aerial surveys on a large scale throughout the country. In the past, a very great deal of this work has been carried out by the Army Air Corps but more and more of the business is gradually passing into the hands of civilian operators. It is a very good sign that one of the largest private aerial photographic companies in the country has recently secured a really big air survey contract in the Middle West and in even subsequenting some of the flying operations necessary to a well-known airplane operator.

There is no doubt that there would be even more aerial survey work available if individual airplane operators would enter this business adequately for that class of business and definitely undercut it. The Navy has recently completed the first part of a tremendous aerial surveying program in Alaska. Why cannot a contract for this work be let to a civilian company? There can be no argument that the industry does not possess the experience or the facilities for an important contract. It is true that the Services have handled over to the industry, in recent years, a great deal of the aerial operations which previously were carried out officially. But, if a contract such as that for this Alaska survey were let to a responsible company, not only is there the possibility of the costs to the Government department concerned being very much less but the putting of that money into the industry would go a long way to creating a prosperous aerial survey business for the good of the country as a whole.

England-Australia and Back By Air

The ship of another great flight was brought in a small oiler Oct. 2 with an engine of Alice J. Colman, the well-known British long distance pilot after her flight from England to Australia and return. The flight is one of the most significant events in international aeronautics of recent times and it is a striking example of what can be done with a modern airplane, a powerful engine and a good pilot but with limited funds and no financial backers. The engine used was a Bristol 20 J. The propeller used was the same that Colman used in her round flight from London to Cape Town and back. The engine was an Armstrong Siddeley Jupiter and it was mounted on a standard model of 265 hp. Two small port holes were cut in the plane for use as seats at Port Elizabeth, Australia, after which arrangements were made to have the plane mounted on a wheel undercarriage for the continuation of

THE JOURNAL
The 20th
A man who had been away from England on June 26 with the
partner of a firm of solicitors and his mother and three bros.
A & Elliot from Buntingford Naples was reached the same
evening and on July 1, Athens was reached, where a day
was spent. On July 3 Calabria and Elliot pushed on to Alessan-
dria and to Alexandria July 4. It was while
from Naples to Buntingford Abbas that Elliot remained. This
was a great day for Calabria, as he from Elliot's
great skill in the field of oil painting could make a
good living. He was a very close companion to the brother. It is understood
that the don't intend to have him in the land that has
recently had enough and is being brought to平整.



Opposition Seats.
Sir William Gladstone and his two colleagues Sir W. Ward and C. S. Clegg, immediately after their landing on the Thames River at Quebec, opposite the House of Parliament where they were to be received as Lord-lieutenants. The Government buildings do not appear in the photograph.

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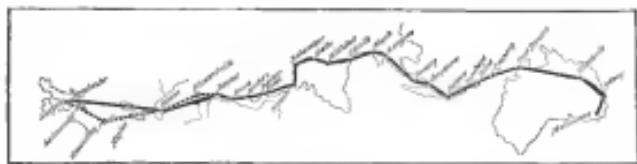
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Alas Colhoun's route from England to Australia and back. The dashed line represents that part of the return route which differed from his outbound route across South America.

Sept. 1. The first leg of the return flight was to Adelaida. On the following day, Adelaida, S. America, was reached via Maru and on Aug. 21, the flight continued to Alice Springs, and Katherine, Northern Territory, via Mowbray River, was reached on Sept. 3. The last port on the Australian coast, Port Darwin, was reached on Sept. 5, where the planes were refueled. Then, Adelaida was crossed en route back to England.

From then on, every good time was made until Peiping was reached. This was the due's intention to rest longer and endeavor to make record time, which they had not tried to do on the outward journey. The times were as follows: Sept. 4, Enping; Sept. 6, Hsuehshan; Sept. 8, Mankoo via Dihua, Peiping, Sept. 10, Singapore and on to Penang. Colhoun left Penang for the final leg of the return flight to England. The two planes had been pulled back on an island off the coast of Malaya and 500 miles from Penang. Leaving there the next day, the due's were again compelled to land owing to the extremely heavy monsoon weather at a place called Fleet Victoria where there are no communications facilities at all, with the result that landing was forced. The due's for several days and nights were forced to sleep in the open. Their return flight was reached on Sept. 15. The time reported for Peiping to Victoria they had landed in a shattered lay and did not venture to get out the open owing to the severity of the weather. The weather continued bad and it was not possible to take Alash before Sept. 17. After this, they left the monsoon area, having been very weak and ill. After a long flight, Alash, S. China, Colhoun was reached after two days of flying, out of energy, exhaustion, as Sept. 21. Thereafter, progress was fairly rapid and uneventful and was made uneventfully to the following schedule: Sept. 23, Dihua and Shihmen; Sept. 25, Kankou, Sept. 26, Hsuehshan, and Alash. The return flight reached on Sept. 26 and the arrival in London, eight and a half months, remains a striking memory to many hundreds of thousands of Londoners on Oct. 1.

Thus, a spent flight ended, Colhoun landing on the Thames River outside the Honourable House when he and his companion were welcomed by the Hon. Sir John Simon, Minister of State for Air and numerous other government and commercial personalities. The total distance of the flight was approximately 25,000 miles and the return time about 220 hr. It is his early to draw any definite conclusion from the adventure for no detail of the flight or the experience of the fliers are available. It is, however, interesting to note that not once during the entire flight did either an engine or engine give a moment's trouble. The total distance of the flight was due to the broken underground steel bridge on the way back to the starting point. It is interesting that a 30-cylinder engine of the radial type was employed and that, to make up for the reduction of load, load and monsoon flora weighed down the plane, and during the entire 220 hr, without trouble of any kind.

As a token of recognition of his achievement, Alas Colhoun has been knighted by King George V, while Captain Ward was awarded the Air Force Medal. Sir Alas Colhoun is

slightly to carry out a lecture tour in this country and his account of his experiences on this and his many other notable flights will be related with interest.

Aviation Life Insurance

C. Stuart-Linton, 110 E. 42d St., New York City, who recently returned from the 12th Annual Meeting of the Federal Life Association, has this to say on the world expansion of the industry and the spread of insurance of life, health, life losses has decided to direct much of his activity to life insurance protection for the families of farmers, civilians, naval and military and government men, jocks.

Life insurance companies have been one of stomach from insurance brokers, but the improvement in surplus manufacturing and the growing confidence in and knowledge of aviation on the part of the general public has brought a change of pace.

Mr. Linton has had wide experience in the general insurance field, having founded some of the most distinguished Rhenish visitors to America in recent years.

The Air Corps Airplane Radio Set

In view of the fact that, in the not too distant future, aircraft will be used for the transmission of messages, it is the opinion of the Air Corps that it is necessary for all aircraft equipped with radio apparatus to employ a price to take advantage of the radio broadcasting of weather information along the airways, as well as of interest to many to have a few details of the type of radio receiving set developed by the Air Corps for installation in service airplanes.

The set is made of two separate units, one unit, the transmitter, is a tube with a vacuum tube oscillator, the other, which is mounted in the fuselage, the other, which is the tuner, which is mounted in the rear cockpit within range of the observer. The tuner contains two vacuum tube which is the oscillator. In addition to this oscillating tube, the tuner contains a multiplier for raising the coil of the tuner and a multiplier as well as a variable for tuning the antenna to different wave lengths.

A band switch on the tuner is a chemical element. The tubes used in the set are standard VDT's except one-quarter of an ampere for the elements and from 45 to 60 watts for the plate. The function of the tuner is as follows:

On sending time in the tuner, first detects three tubes for intermediate frequencies, second detector, one stage or two.

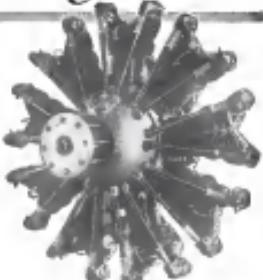
The set with filament battery weighs approximately 25 lb. In tests at McCook Field communication has been carried on between as airports 10 or 15 miles distant from the ground station. On numerous occasions broadcasting stations such as the Boston, W. R. 1, Los Angeles, and San Francisco have been received in the McCook Field receiver with good volume.

Since the superheterodyne is extremely sensitive to electrical disturbance it is necessary to have the vacuum shielded

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THE CURTISS HAWK



THE BOEING FIGHTER



THE WRIGHT APACHE

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A FUGITIVE AIRDRONE. The seaplane carrier U.S.S. *Langley* is shown with its *Pacific Fleet* in maneuvers off the California coast and a Consolidated P-1 flying boat (Wright) is shown flying off the deck.



(Left) ECONOMIC FLYING. Capt. H. J. Broad who piloted one of the Postal Airplane Co. planes at Bellmore last year, flying the Ashland-Mich (Alameda-Bellmore) route, 50 to 60 per cent less than after that (Cost 60 to 10 per cent less than in 1925, according to Capt. Broad).



WITH THE FLAG. A Douglas *WORLD CRUISER* of the squadron of the U.S.A. Army is shown in aerial operations at sea.



TRANSFERRING A ROLL AIR MAIL ROUTE. The first nonstop mailplane of the *Pacific Air Transport*, Inc., arriving at San Francisco, made a nonstop flight from Seattle en route to Los Angeles. The plane was *PACIFIC MAIL*, with W. H. Broad in charge.



MAKING HISTORY. A Custer biplane which recently landed on Mt. Rush, one of the key summits of the Sierra Mountains, California, was a source of great interest among the mountain men of whom last year more than 100,000 made the trip to California. The surviving ascentists left by an easier route from the starting point of deepest California.

Side Slips

By Robert R. Olson

The proposed air regulations of the Department of Commerce, as contained in the letter of transmittal of December 10, 1933, at first glance, is to be welcomed. Of course it would be possible to point out loopholes and causes of confusion or noncompliance as any proposed regulations of this type, unless they were worded as such a cumbersome manner as to be impractical, so the following comments on the proposals are not to be taken too seriously.

Under the heading "Definitions" we find: "A landing means coming in contact with a surface capable of supporting aircraft and includes the successfully landing and touching down. It might be noted that the word "successfully" is not written in the original "landing and touching down." We have in mind contact with a surface capable of supporting aircraft, which would be classed as landing, under the definition, is what the "success" according as? was for purchase of a new airplane.

It seems that all airplanes registered under these regulations will be granted a "success" and probably granted in consecutive order as an application is made. Stating the obvious, one that may be used for these registry numbers, and the number of planes in which they might appear, it means that the number of lightplanes on the future is going to be quite limited, unless they are permitted to have two airplanes under the same number may be renumbered.

These numbers could represent quite as few as several, when the big four-letter buses in unnumbered aviation factory

arrives, and plane builders might be compelled to guarantee their load factors and performances as "full load less bonus numbers." If Mr. Ford, for instance, had been turning out 1000 planes at the same rate as to his ten light ones, we may see he would have to design them for carrying the figures exhaustively.

Under the "Air Traffic Rules" heading, the order in which planes must give right-of-way to other planes, remained as of a similar rule regarding nonradioing, which, of necessity, can only be evaluated in a New Jersey or Pennsylvania runway. The proposed rule, however, is a good one, and at the same time, both radio and nonradio in a radio strip, and another may proceed with the other less passed."

The classification of an airplane out of control as a freefall loss, under the right-of-way rulings, should certainly apply, otherwise from the time of release of the normal loadout, the radioed pilot would surely be in a free fall as to how the distance record for freefall losses by an unprepared pilot in a "freefall."

The "Equipment and Instruments" section of the proposed regulations seemed to have been patterned after the insurance rates increasing the equipment required in smaller loads, and we hope that the same will be done in the proposed regulations. The reason for the excess of pilot's radio, and a switch. We predict an early recognition of these proposed requirements unless they are rapidly enforced. A one-in-five of need may become a real emergency, a switch in the gas tank, a first aid kit, water wings might be left preserves and the first aid kit will probably contain a small bottle of salines and some sticking plasters. We would like to see the radioed pilot get up a radio fall number the same as a civilian. It would be a good idea if some of the lightplanes of the future might have the nose shortening, in which case it might be wise to add a rule to the effect that an airplane which starts in a reversed direction under the running lights site also reversed.

Another requirement might well be added, too, limiting the parking of helicopters on busy air lanes to above 10,000 ft.

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AIRPORTS AND AIRWAYS

Rochester, N. Y.

By M. B. Soden

Sixty airplanes arrived at Frontier Field, Rochester, N. Y., Monday noon, Sept. 27, leaving 11 Buffalo bassins to be given in recognition of the 10th anniversary of the opening of the Rochester Chamber of Commerce. It was the first of a series of Eastern States airway conferences to take place along the proposed new airway connecting New York, Buffalo and Boston. The Buffalo bassins were received at the field by a delegation of 600 officials and representatives of the Rochester Chamber of Commerce and were awarded to the Powers Hotel for luncheon.

One hundred airplanes had been drawn over Rochester by raffle tickets on the way to Rochester. Pilot Bradford and a passenger late was dropped. The machine made a safe landing. The bassins was the first in the day at Rochester for which grants arrived by airplane, and is expected to prove a stimulus to the development of an air port here. Mr. Ralph Johnson, president of the Chamber of Commerce and leader of the delegation, was present yesterday. He recommended Rochester as the early center of load especially with regard to western purposes. He told about the possibilities of a modern airport and about plans for the city of Buffalo's airport.

The spacious grounds of the Powers Hotel, which is the largest in the city, were the scene of the luncheon. The chamber has won the honor of the Chamber of Commerce valley, that Rochester would be a great air center, unquestioned. Colonel Air Transport, Inc., growing out of a Buffalo air enterprise of similar name, moved its center of operations first to Boston, and now to New Haven, Conn. Mr. O'Brien, president, of New Haven, has suggested places here for lines, a small tree line being daily, north in the morning and south in the evening.

The flight ended at Buffalo on Tuesday, Sept. 28.

Joseph E. Shupe of 22 North Dean Street, Rochester, N. Y., an automobile dealer, has done his bit to put Rochester on the map as aviation center. He has had a sign placed on his building in front of the 10th anniversary of the opening of the Rochester Chamber of Commerce. The sign is 30 ft high, 30 ft wide, in white letters on a black background. The sign can be seen from a height of 12,000 ft. A photograph showing the sign was taken recently by E. B. Pease, director of the Journal-American's radio studio, WHBI, with a long distance camera, the improvements in the lens of Rochester are being preferred by the Kodak Kodak Company of Rochester.

New England News

By Daniel Soden

New England aviation winds up the summer of 1934 with Boston and Hartford sharing the honor of flying leadership. Boston's radio flights in total amount of miles flown easily won the competition, while Hartford had more nonstop flights and more passengers. Boston, however, had more nonstop flights than Hartford. Boston has won the honor of the Chamber of Commerce valley, that Boston would be a great air center, unquestioned. Colonel Air Transport, Inc., growing out of a Buffalo air enterprise of similar name, moved its center of operations first to Boston, and now to New Haven, Conn. Mr. O'Brien, president, of New Haven, has suggested places here for lines, a small tree line being daily, north in the morning and south in the evening.



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The Aeroplane

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CHARLES GARY
Editor

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and was required to do study his work that in case of an emergency he would be capable of flying the position in which required.

Navy Conducts Geodetic Experiments

Experiments in the development of a new type of geodetic position "aerotriangulation" are being conducted at the Naval Air Station and Hangar Deck by U. S. Fitter under the direction of Commander V. V. Woodard.

In solving the complex problem of projecting the rays of three or more a new variety of glass lens was designed which the glass will be yellow-green, to cut out the light rays of the sun. The glass is to be of a new composition which will be high quality to prevent distortion. With a slight degree of distortion, Mr. Fitter explained, may cause errors in the elevation view of the ground as he is about to land and cause him to crash. Distortion, also, is a problem in military aviation, because it may cause unnecessary in the report of observing flying over enemy territory.

The very experiments have been conducted by the difficult experiments of Commander V. V. Fitter, who flew to the Naval Air Station Commander Board suffered accidents from these flights caused by the glare of reflected light that were when there is no sun. Mr. Fitter said, aviation is even safer, because light strikes them from below as well as above, and makes the position of the sun not used to struggle with.

Record Free Balloon Flight

It was announced on Sept. 26 at the Bureau of Aeronautics of the Department of the Navy, that what is believed to be the longest flight ever made by a free balloon has been made in the interests of the Bureau.

A report has been received from Mr. E. C. Hart, a Navy fitter, engineer, who sent up a free balloon while operating a plane near that place. He attached a note to the balloon requesting that the radio activity line of the plane it was near.

A few days later the youth received a message from Glendale, Calif., informing him that the balloon had been found there.

Naval Planes Active in Hawaii

Planes assigned to the Naval Air Station, Pearl Harbor, O. C., have been doing some flying. Y-25s, 10 have been assigned to torpedo approach practice, while planes attached to Y-15s, 10 have been sent to the Pacific. The K-25s, 10, have been assigned with operating planes around the island, and the Y-25s, 10, have been making photography flights.

Visit representatives have been made in the landing field at Pearl Harbor by the day duty of the power plant, harnessing the Army at Lake Field.

Army Air Orders

Gen. Louis Hermon Tamm, Air Corps Gen., Washington, Mass., to service duty, Massachusetts, an intermediate depot, returning to inactive status Oct. 15.

Gen. Louis Hermon Tamm, Air Corps Gen., Washington, Mass., to service duty, Massachusetts, an intermediate depot, returning to inactive status Oct. 15.

Following officers Air Corps, relieved from assignment and duty at place specified, and will proceed to Chicago Field and report to the commandant of the Air Corps Tech. Sch., for course in photography. First Lt. Alvin Harvey N. Stevens, Brooks Field, Brooks, Okla., First Lt. Sam Hamilton, Vernon C. Johnson, Brooks Field, Brooks, Okla., First Lt. Edward Frank, and First Lt. Harold G. Peterson, Chicago Field.

Following officers Air Corps, relieved from assignment and duty at place specified, and will proceed to Chicago Field and report to commandant Air Corps Tech. Sch., for the purpose of taking course in communications. First Lt. Harry G. Woodard, Kelly Field, San Angelo, Texas; First Lt. Frederick, Brooks Field, and Ralph S. Lovett, Bolling Field. First Lt. Albert J. Clayton, Air Corps, Chicago Field.

to Scott Field

Staff Sgt. Adam J. Valach, Air Corps, Fort Crockett, transferred in grade of staff sergeant to 605th Sqdn., Air Corps, Kelly Field.

Staff Sgt. Eugene D. Raymond, Air Corps, Kelly Field, transferred in grade of staff sergeant to 606th Sqdn., Air Corps, Fort Crockett.

First Lt. Harry G. Montague, Air Corps, returned from assignment and has been assigned as Chief of Air Corps, and will proceed to Fort Crockett, Texas.

Capt. Robert D. Evans, Air Corps, Denver, to Washington, returning to Air Corps, Min. for duty.

First Lt. Alvin W. Drexler, Air Corps, Washington, to McCook Field.

First Lt. Alvin S. Lovell, Air Corps, Washington, to Fort Scott Field, intermediate depot.

The following officers Air Corps, to distant collection, upon completion of tour of foreign service: First Lieutenant Mark H. McNamee, Pensacola, Florida; Major D. E. Dinkins, Mitchell Field, New York; Capt. P. Mills, McCook Field, Major T. Ross, Kelly Field, Memphis, Tenn.; Major Wright Field, Major James W. Sponer, Langley Field.

Capt. Lawrence P. Holden, Air Corps, Chicago Field, and First Lt. Donald L. Hunter, Air Corps, McCook Field, to New York City, arriving Dec. 20, via Government transportation, for the Philippines Islands.

Major Paul F. Beck, Air Corps, Chicago Field, and First Lieutenant Michael J. O'Leary, Air Corps, Pensacola, and Major F. Harton, Langley Field, to New York City, and Mar. 2 for the Canal Zone.

First Lt. Vincent J. Mohr, Air Corps, Naderle, to New York City, arriving Dec. 23, via Government transportation for Philippines Islands.

Colonel William H. Drexler, Air Corps, Fort Scott, Kansas, to Mitchell Field.

First Lt. Earl S. Schiebold, Air Corps, Scott Field, to Langley Field.

Major George E. A. Brumbaugh, Air Corps, an intermediate duty at Headquarters, Seventh Corps Area, Denver, relieved from present assignment and duty, Chicago Field, and will proceed to commandant Air Corps Tech. Sch., for assignment with Air Corps.

Colonel George H. Griswold, to Davis, Tex., for inactive status, date Oct. 17.

Gen. Louis Vinton Joseph Brooks, Air Corps Gen., Brooks Field, Brooks, Okla., is relieved from status at Brooks Field, Brooks, Tex., First Lt. Hermon Tamm, will be assigned to Brooks Field, Brooks, Tex.

First Lt. Lester J. McMillan, Air Corps, Wright Field, to Washington.

First Lt. Hermon C. Wescott, Air Corps, Fort Scott, Kansas, to the Canal Zone.

Colonel Louis C. Conner, Station, Air Corps Gen., Lovell Barracks, N. Y., to senior duty, McCook Field, returning to inactive status Oct. 24.

Navy Air Orders

Lower Grade Hospital 1st Lt. Hermon J. Van, 1, 100th Pursuit Sqdn., Patuxent River, Md., to inactive status, date Oct. 15, 1926.

Lieutenant Louis F. Ladd, 1st Lt. Gen. A. M. P. President, to U. S. Naval Aviation.

Lower Grade Hospital 2nd Lt. Gen. A. M. P. President.

Lower Grade Hospital 2nd Lt. Gen. A. M. P. President, to U. S. Naval Aviation.

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PUBLISHER'S NEWS LETTER

Occasionally a critic of the plane advocated on this page is so well pleased that it stimulates thought if it does not convince. The letter that follows is by an opponent to what we conceive to be a sound policy of regulation for the first year makes a point, all the clearer and at greater length, that reason. My thanks to the author for that reason. My thanks also to the individuals who would be friendly to strict rules as the writer of the letter. But they haven't and no regulations ever will do that, although some callous people will cling to that fond hope. The remainder of this page is devoted to our critic's letter.—T.D.G.

A negative draft of regulations for aircraft under the Air Commerce Act of 1936 has been recently issued by the Department of Commerce, sets in motion a discussion of many interesting and vital subjects relative to the operation of regulation. (See "Publisher's News Letter," AVIATION, p. 570, (September 27, 1936) makes the following comment:

"There has always believed in the most complete and lenient form of regulation while supporters of the negative state the experience in England with drastic regulatory measures has produced a deplorable condition. This country will do well in learn from the experience of others rather than from any critics that may tend to set back our development at a time when hopes are so bright."

These are ideas expressed in the above quotation which would seem to bear a little scrutiny. No doubt Aviation is entitled to its own belief. It is a worthy intuition, worthy of belief and opinion. But the worthiness of the intuition is of such proportion that it becomes a matter of sympathetic concern, within the family of the State, as to just what do beliefs, and costs, of

Aviation mean.

Should there be regulation at all? Simplified may be construed to mean almost lack of control, laissez faire, laissez-fer as the Federal Government is concerned: an application of the State's Rights theory.

But how can any policy be consistent with the law now on the statute books? "The Secretary of Commerce shall by regulation provide, etc." There are no doubt lawyers to be found who will demonstrate to the satisfaction of their clients, and some others, that the above "shall" means not "shall" or "may." However we may all ascertain, "What is the plain meaning of the word?" "What is the spirit of the law?" "Would we expect any other position on the part of the Federal Government, than the one indicated, namely a determination to give the law effect?" And even though we did not at individuals, cul-

ture, and whatnot, question ourselves truly it is to be presumed that the Secretary of Commerce might find himself without support of concession, at least, if he did not attempt to regulate flying in accordance with the provisions of the law.

If flight is to be controlled by the Federal Government should it be done in a half-hearted manner? Would the good of the industry and of the public be best served by a wilting attitude on the part of the Department of Commerce officials? What has caused a disquiet for local government of late? Nothing more, it may be presumed, than the same spate of typewritten, back-parched, and low-undertone. The State of California

now there is a comprehensive law regulating flying. Pilots are supposed to pass certain tests. Flying equipment is supposed to undergo periodic inspection. If there is any enforcement at all of the letter of this law it is a most perfunctory. During the past month there have been a number of fatal crashes in California, not on the Federal-controlled air-mail lines, but under conditions supposed to be regulated by the State law. This condition is not peculiar to the Golden State. Daily reports of the press tell us that people are still being killed in the air. And the same rule must be good for the entire country, that the trouble is not with the artificially controlled airlines, but with the local or aerial service operator. Flying now of the time under the exclusive jurisdiction of the State authority.

Senator Douglas recently said as effect: "We have got to get out flying about stateside." That statement should be deeply impressed upon the minds of states. We are growing up in the industry and as we approach maturity we must face the responsibilities of mankind. If the air is not safe, not as safe as it should be, we had better invent the policies of our states to the authority that proves to be capable of the job. What does it matter if a few irresponsible operators and their obnoxious passengers are not out of business? Has the condition of the State of California been so great as to justify the placing of local life in constant jeopardy? Decidedly not. Is it time that the killers should cease, no matter who is put out of employment? If the creator is competent he will be able to secure finance with which to purchase standard equipment.

Attention is called to the "deplorable condition" in England. How does England stand on safety? She may have fewer accidents than the States but the air development in that country is at least as questionable. Pilots come to take the air in England, if at all, in protected circuits. Let us not forget the Department of Commerce in its efforts to give us safer flying.

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